

Qy	702	GTTGGCTATCCAGATCAAAGTAGATGACTACAAGATTGCTGGCCACTAGAAAGTCCT 761
Db	25	eleuAlaearghThrGlyAsnAspPheAlaAlaAlaLysLeuGlnValleuLysLeuI 45
Qy	762	CTGCATCACCATCTGGGACAGTGAGATGACTCCGCTCCCTGATTCGTCGTCCT 821
Db	45	etylLeuMetIleThrPheSerIleValleuIleSerPheValValThrLeuAlaPhePh 65
Qy	822	CTAGGCCACTTGAATAATTGAGGCTGCGCTTCCTAGTCAGTCACCTCCGTATCATCCT 881
Db	65	eProIaSerLysGlnIleSerLeuIleIlePheAlaLeuIleIlePheValLeuI 85
Qy	882	CTTGAGGCCCTGGATTAAGCTCTGGAGAAGTGGTGGCCAGATGCCAAATACTTGAGAA 941
Db	85	uleuThrProPheIleGlySerIleValleuIleSerGlyIleThrIleSerProSerAsn-ThrIleI 105
Qy	942	AACTTCAGCCGGTCTGGGACTCTCGCTGCG-----TCCCTGATTCGTCACCT 989
Db	105	IleIleProAla-----TrpTrpValSerMetAspAla-TyrLeuAsnHisAla 120
Qy	990	CCTCTATGGTGGCATCAACCTCTCTGTGC 1017
Db	121	SerIleCysCysHisGln-PheSerCys 129
RESULT 2		
US-09-134-001C-5655		
; Sequence 5655, Application US/09134001C		
; Patent No. 6380170		
; GENERAL INFORMATION:		
; APPLICANT: Lynn Doucette-Stamm et al		
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS		
; TITLE OF INVENTION: - EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS		
; FILE REFERENCE: GTC-007		
; CURRENT APPLICATION NUMBER: US/09/134,001C		
; CURRENT FILING DATE: 1998-08-13		
; PRIOR APPLICATION NUMBER: US 60/064,964		
; PRIOR FILING DATE: 1997-11-08		
; PRIOR APPLICATION NUMBER: US 60/055,779		
; PRIOR FILING DATE: 1997-08-14		
; NUMBER OF SEQ ID NOS: 5674		
; SEQ ID NO: 5655		
; LENGTH: 800		
; TYPE: PRT		
; ORGANISM: Staphylococcus epidermidis		
US-09-134-001C-5655		
Alignment Scores:		
pred. No.:	0.000441	Length: 800
Score:	114.00	Matches: 96
Percent Similarity:	40.14%	Conservative: 81
Best Local Similarity:	21.77%	Mismatches: 135
Query Match:	4.48%	Indels: 129
DB:	4	Gaps: 27
US-09-134-781-2 (1-1389) x US-09-134-001C-5655 (1-800)		
Qy	81	TCCGGTTCATCTGGAGGAA-----GATGTCATCCGGAGCCACCCCCGATT 131
Db	403	AsnGlyPheLeuSer-LysGluMetPheLeuAspSerLeuThrLysAlaAsnGluLeuA 422
Qy	132	TACTTTCATTCATGCTTCATCCTTCACCTTCTGACTGTCGAGGCTGCACCT-- 189
Db	422	pGlnTygPheValLeuThrPhe---ValleleSerIleGlyValleAlaSerIle 441
Qy	190	-----GCTTGTGATGGTTAGAAATCTATGAAAGATACTGAAACTTA 233
Db	441	eleuThrPheThrTyrAlaLeuIleMetIleLys-----GlutPhe 455
Qy	234	CTGGATGACATAACCTTCTTCCTT 266
Db	455	etrpGlyAsnIleTygAsnIleLeuIleSerIleLeuIleSerIleLeuIleHisGluProTrpLeuPh 475

RESULT 6 US-08-361-806A-5 ; Sequence 5, Application US/08361806A
 ; Patent No. 5792833 ; GENERAL INFORMATION:
 ; APPLICANT: Elliot J. Androphy
 ; TITLE OF INVENTION: E2 BINDING PROTEINS
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Iahive & Cockfield
 ; STREET: 60 State Street, suite 510
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109-1875
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: ASCII text
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/361,806A
 ; FILING DATE: 22 DEC 1994
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Myers, Paul L.
 ; REGISTRATION NUMBER: 35,965
 ; REFERENCE/DOCKET NUMBER: NEP-004
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 357 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; MOLECULE NUMBER: US-08-361-806A-5

RESULT 7 PCT-US95-16806A-5 ; Sequence 5, Application PC/TUS9516806A
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: E2 Binding Proteins
 ; NUMBER OF SEQUENCES: 21
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: ASCII (text)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/16806A
 ; FILING DATE: December 22, 1995
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/361,806
 ; FILING DATE: 22-DEC-1994
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 357 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; MOLECULE NUMBER: PCT-US95-16806A-5

Alignment Scores:
 Pred. No.: 0.0288 Length: 357
 Score: 96.50 Matches: 35
 Percent Similarity: 37.61% Conservative: 9
 Best Local Similarity: 29.91%
 Query Match: 3.79%
 DB: 17 Gaps: 4

US-09-768-781-2 (1-1389) x PCT-US95-16806A-5 (1-357)

Qy 273 CATTAGGTCCAGTTGACCTCTATTCTTGTCCACAGAGATCTAGCCAAAGATAAAC
 Qy 220 HistYrglyProThrGlnProAlaLysSerProSerGlnInLeuArgAlaProSer
 Db 333 ATC----ATTATTATGCTCTTAATCTCTGGACCTGTTATCAGATGTTGCG
 Qy 37.61% 37.61% 9 56 17 4
 Db 240 PheProAlaValGlnProLeuSerGlnProGlnHisGlnProAlaValHisGln
 Qy 387 CATTATAGTACCTCACCTGTTGAAAGAAAGGAGCAGAGGAGGAGGAGCCTATGTC
 Db 260 PheGln----ProThrGlnThrGlyPheLeuGlnProGlyGlyAlaLeuSerLeu
 Qy 447 CACCGGAAAGAAAGATGCTATTAGTGGCAGGAGCTGCTAGATGGAGGGTC
 Db 278 LysGlnMetGluHisAlaSerGlnGlnProAlaLeuSerLeu
 Qy 333 ATC----ATTATTATGCTCTTAATCTCTGGACCTGTTATCAGATGTTGAGGC
 Db 298 MethiProGlnAlaLeuHisProAlaProGly----
 Qy 507 -----CTCCATCGGAACTCTGGCTATGCAACGCTAATGCTCAGCT
 Db 552 GTCAAGATCCAGCCCTCTGGCTACTGCCCGAGCTGACCTATCAGCT 602
 Db 310 LeuAlaSerProGlnLeuProValGlnMetGlnProAlaGlyLysSerAla 326
 RESULT 8 US-09-134-001C-5576 ; Sequence 5576, Application US/09134001C
 ; Patent No. 6380370 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATED
 ; TITLE OF INVENTION: EPIDERMIDS FOR DIAGNOSTICS AND THERAPEUTIC
 ; FILE REFERENCE: GTC-077 ; CURRENT APPLICATION NUMBER: US/09134-001C
 ; CURRENT APPLICATION NUMBER: US/09134-001C-5576

Alignment Scores:
 Pred. No.: 0.0288 Length: 357
 Score: 96.50 Matches: 35
 Percent Similarity: 37.61% Conservative: 9
 Best Local Similarity: 29.91%
 Query Match: 3.79%
 DB: 17 Gaps: 4

US-09-768-781-2 (1-1389) x US-08-361-806A-5 (1-357)

Qy 273 CATTATGGTCAGTTGACCTCTATTCTTGTCCACAGAGATCTAGCCAAAGATAAACGGT 332
 Db 220 HistYrglyProThrGlnProAlaLysSerProSerGlnInLeuArgAlaProSerAla 239
 Qy 333 ATC----ATTATTATGCTCTTAATCTCTGGACCTGTTATCAGATGTTGAGGC 386
 Db 240 PheProAlaValGlnProLeuSerGlnProGlnHisGlnProAlaValHisGlyAla 259
 Qy 387 CATTATAGTACCTCACCTGTTGAAAGAAAGGAGCAGAGGAGGAGGAGCCTATGTCAGCT 446
 Db 260 PheGln----ProThrGlnThrGlyPheLeuGlnProGlyGlyAlaLeuSerLeuGln 277
 Qy 447 CACCGGAAAGAAAGATGCTATTAGTGGCAGGAGCTGCTAGATGGAGGGTGGCCA 506
 Db 278 LysGlnMetGluHisAlaSerGlnGlnProAlaLeuSerLeuArgPro 297
 Qy 507 -----CTCCATCGGAACTCTGGCTATGCAACGCTAATGCTCAGCT 551
 Db 298 MethiProGlnAlaLeuHisProAlaProGly----Leu 309
 Qy 552 GTCAAGATCCAGCCCTCTGGCTACTGCCCGAGCTGACCTATCAGCT 602
 ;

CURRENT FILING DATE: 1998-08-13
 PRIORITY NUMBER: US 60/064,964
 PRIOR FILING DATE: 1997-11-08
 PRIORITY NUMBER: US 60/055,779
 PRIOR FILING DATE: 1997-08-14
 NUMBER OF SEQ ID NOS: 5674
 SEQ ID NO: 5576
 LENGTH: 683
 TYPE: PRT
 ORGANISM: *Staphylococcus epidermidis*
 US-09-134-001C-5576

Alignment Scores:
 Pred. No.: 0.0415 Length: 683
 score: 96.50 Matches: 82
 Percent Similarity: 38.50% Conservative: 77
 Best Local Similarity: 19.85% Mismatches: 151
 Query Match: 3.79% Indels: 103
 DB: 4 Gaps: 19

US-09-768-781-2 (1-1389) x US-09-134-001C-5576 (1-683)

Qy 262 ATGTTTCATCCATATGGTCCAGTTGACCCCTATT-----TTGGTCACAGA 309
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 7 IlePheGluThrLeuIlePheValAlaLeuValSerSerPheValIleThr 26
 Qy 310 GATCTAGCCAAAGATAAACCGCTATCATTATTATGCATCTGGGACCCRTT 369
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 27 PheIleProLys---ValProLeuAlaPheIleGln-----IlePheLeuGly 41
 Qy 370 ATCAGAAGTTGGGGCATGATTAAAGTACACTTCAACTGTGAGAAAGAG- 420
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 42 -----MetIleLeuIleThrPheIleProValGluPheAsnPhe 55
 Qy 421 GAGCAGGAGGGCCCTAATGTCAGCTCACCGAAAGAAGATGCTAATGATGCCGAGGAG 480
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 56 AspSerGluLeuPheMetValIleLeuAlaProLeuLeuPheValGluGly 73
 Qy 481 GTGCTGATAGAATGGAGCTGGAGGCCACTCCATCGGACCCCTATGCCAAATGCC 540
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 74 -----ValAsnValSerArgValIleIleArgLys 83
 Qy 541 TACAAACGTATGTCACAGATCCAAAGCCCTTCMGGCTAGTG-----CCCAAGCTGACCC 594
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 84 TyrIleProValMetMetMetAla--LysGluLeuIleThrThrValIleGly 102
 Qy 595 TATCAGCTCTATGAGCTGATOTCTGAGGTTCCCTGGGTTAGAGTTGCTTAATG 654
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 103 ValGlyLeuPheIleIleIleThrPheIleProGluLeuIleValAlaPheAlaIle 122
 Qy 655 GTATTTCCTG----- 666
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 123 AlaAlaIleLeuCysProThrAspAlaValAlaValGlnAlaIleThrLysGlyLysVal 142
 Qy 667 -----GATCTGTCGACCTATGGGGCCACCCCTTGCAATATGTTGCPATC 711
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 143 LeuProLysGlySerMetThrIleLeuGluGlyUserLeuAlaAspAlaAlaIle 162
 Qy 712 CAGATCAAGTACGATGACTAACAGATTGGCCACTAAGTCAGTCTGCTGATCACC 771
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 163 IleIle-----SerPheIleIleLeuAlaValGlyValLeuIleThrPheSer 179
 Qy 772 ATCTGGGGCATGGAG-----ATCACCTCC-----CGCTC 804
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 180 IlePheAspAlaIleLeuIleGlnPheLeuIleIleGlyIleAlaLeuGlyLeu 199
 Qy 805 CTGATT-----CTGCTGCTCTTCAGGCMCTTGAATTGAAGGCTGCCCCCTC 855
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 200 IleIleGlyMetAlaLeuValArgPheIleLeuIleSerArgAspGlyIleGluAsn 219
 Qy 856 CTAGTCAACTTCCGATCATCCTGAGGCTGGATTDAAGTTGGAGAAGGGT 915
 ::||| ::||| ::||| ::||| ::||| ::||| ::||| ::|||
 Db 220 IleAsnMetPheThrPheIleGlnLeuLeuThrProPheValThrIle 236

RESULT 9
 US-08-415-818-6
 Sequence 6, Application US/08415818
 Parent No. 5621079
 ; GENERAL INFORMATION:
 ; APPLICANT: Cascieri, Margaret A.
 ; APPLICANT: Linemeyer, David L.
 ; APPLICANT: MacNeil, Douglas J.
 ; APPLICANT: Shiao, Lin-Lin
 ; APPLICANT: Strader, Catherine D.
 ; APPLICANT: Tan, Carina P.
 ; APPLICANT: Weinberg, David H.
 ; TITLE OF INVENTION: NEUROPEPTIDE Y RECEPTOR
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Mary A. Appollina
 ; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 ; CITY: Rahway
 ; STATE: NJ
 ; ZIP: 07065
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/415,818
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/383,746
 ; FILING DATE: 03-FEB-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Appollina, Mary A.
 ; REGISTRATION NUMBER: 34,087
 ; REFERENCE/DOCKET NUMBER: 19390
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 908-594-3462
 ; TELEFAX: 908-594-4720

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 371 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

MS-08-415-818-6

Alignment scores:

Alignment	Length:	Score:
core:	0.0336	96.00
Percent Similarity:	37.39%	17.89%
Best Local Similarity:	3.78%	3.78%
Query Match:	1	1
B:	18	18

US-09-768-781-2 (1-1389) x US-08-418-6 (1-371)

QY 893 GGATTAAGTCTGGAGAAGTGGTGGCCAGATGCCAATAAGATTGGAGAAAACCTTCAGCC 952

Db 232 levalinecysLeuSerIleGlyBargThrArgGlnValAspArgArgLysGluAsnLysSer 252

QY 953 GGGTCGC-----ACTCTGGTCTGCTGTTCACTCCCTATGTTG 1000

Db 252 rglyLeuAsnGluAsnlysArgValAsnValMetLeuIleSerIleLeuValThrPheGly- 271

QY 1001 GCATCACTCTCTGTGTGTGAGCTTGGAGAGATCTCCGTC 1060

Db 272 -----AlaCysTLeuProLeuAsn----- 278

QY 1061 ACAAGGGCAGAACCTGGGACATAGGGCTGCACATAGGTGAGGTGGAGAGATCTCCGTC 1060

Db 278 ----- 278

QY 1121 TGATCATGGCTCTGGTTTAAGTGTCTGGAGTGTGAGCTTACTGTTGATT 1180

Db 279 --IlePheAsnValIleIleAspTrpTrpHis---GluMetLeuMetSerCysHis 297

QY 1181 CCTGATGGCTTGGCTGAGCTTATTGCTATCTGTTCAATGCTCCCTT 1240

Db 297 spIeLeuValPheValValCysIleLeuAlaMetValSerThrCysIleAsnProLeuP 317

QY 1241 TCTTCCAGPACTTGCATCCATTGCCCCATATTGTTAGACTACCTCC 1300

Db 317 hetryGlyPheLeuAsn-----LysAsnPheDlnlyAspLeuMetMetLeuIleH 334

QY 1301 ATTTGCTCTGGCTGACCCACACCTGGAGGAGAAC 1344

Db 334 isHIScysTrpCysGlyGlu---ProGlnGluSerIleGluAsn 347

RESULT 10

US-08-894-236-6

Sequence ID: 6, Application US/08894236

Patent No. 5939263

GENERAL INFORMATION:

APPLICANT: Cascieri, Margaret A.

APPLICANT: Linemeyer, David L.

APPLICANT: MacNeil, Douglas J.

APPLICANT: Shao, Lin-Lin

APPLICANT: Strader, Catherine D.

APPLICANT: Tan, Carina P.

APPLICANT: Weinberg, David H.

TITLE OF INVENTION: NEUROPEPTIDE Y RECEPTOR

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Mary A. Appollina

STREET: P. O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/894,236

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/383,746

FILING DATE: 03-FEB-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/415,818

FILING DATE: 03-APR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Appollina, Mary A.

REGISTRATION NUMBER: 34,087

REFERENCE/DOCKET NUMBER: 19390Y

NAME: Appollina, Mary A.

REGISTRATION NUMBER: 19390Y

REFERENCE/DOCKET NUMBER: 19390Y

REGISTRATION NUMBER: 34,087
 REFERENCE/DOCKET NUMBER: 19390Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 908-594-3462
 TELEFAX: 908-594-4720
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 371 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US26-01444-6

Alignment Scores:
 Pred. No.: 0.0336
 Score: 96.00
 Percent Similarity: 37.19%
 Best Local Similarity: 17.89%
 Query Match: 3.78%
 DB: 5

Length: 371
 Matches: 78
 Conservative: 85
 Mismatches: 153
 Indels: 120
 Gaps: 18

DB: 278

US-09-768-781-2 (1-1389) x PCT-US96-01444-6 (1-371)

Qy 116 GACCAACCCCGAT-----TTACTTTCCATTAGCA 148
 Qy 117 GlnProThrProAsnLysThrSerGlyLysSerAsnSerAlaPhePheGlu 26
 Db 27 SerCysGlnProProLeuAlaLe-----LeuLeuLeuLeuAlaLe 42
 Qy 209 TCTATCGAAAGTAGTGAACACTTACTGGATGACATACCCCTTCTCTTATGTTT 268
 Db 43 ThrValLeuIleMetGlyIlePheGly-AAsnLeuSerLeuLeuLeuLe 60
 Qy 269 CATCATATTGGTCACGTGACCCTCATTTGCCACAGAGATCTGCCAAAGATAAAC 328
 Db 61 -----PhelLysLysGlnArgGlnAlaGlnSerValIhr 71

Qy 329 CGTATCATT-----TATGATCTPATCCTCTGGACCTGTTATCAGATGTTGG 382
 Db 71 IleSerLeuIleAlaAsnLeuSerAspIleLeuValCys-ValMetCysIleP 91

Qy 383 AGCCATGATTAGTACCTCACACTGTGGAAAGAAAGAGGAGCCCTATGTCA 442
 Db 91 roPheThrValIleIle-----ThrLeuMetAsp-----HisTrpValPheG 96

Db 97 -----ThrLeuMetAsp-----HisTrpValPheG 105

Qy 503 GCCATCCATCGGACCCCTGGCTATGCCGCAATGCCCTACAAAGCTATGTCAAGATTC 562
 Db 105 IleAsnThrMetCysLysLeu-----ThrSerIvalValSerValIle 121

Qy 563 AACGCTTCCGGCCAGTGACCTGACCTATGTCACCTGACCTGACCTGCTCTG 622

Db 121 erValSerIlePheSerIleValIleIleIleGluArgIleLeuIleValAsnP 141

Qy 623 CAGGGTCCCCGCGTGAAGTGTG-----CTPATGCTATTTCGCCRG 667

Db 141 roArgGlyTrpIleProArgValAlaHisAlaTyrTrpIleIleLeuIlePle 161

Qy 668 TACCTGCACTATGGCCACCTTGCATATGTCGCTATCAGTCAGTAGCTG 727

Db 161 IleSerLeuThrLeuSerIleProIle-----PheLeuSerIleThrAsnGluP 179

Qy 728 ACTAACAGATTCCGCTTGGCCACTA-----GAAGTCCTCTGCACTACCA 772

Db 179 roPheIleAsnLeuSerIleProIleAspIleIleIleGlu 199

Qy 773 TCGGGCACATTGGAGATCACTTCCGGCTCTGCTACCCACTT 832

Db 199 leuIleProSer-----LysLeuAsnGlnLeuLeuLeuPheSerThrSerL 213

Qy 833 TGAATTGAGGGCTGTGCCCTCCTAGTCAACTTCCTGATCATCCTCTTGAGCCCT 892

Db 213 eupheMetLeuGlnItyr---PheValProLeuIlePheIleLeuIleCysTyrLeuIlyl 232

Qy 893 GGTTTAACTTCCTGAGAAGTGGTGGCCCAAGATGCCAAATAAACATTGAGAAA 952

Db 232 IleValLeuCysIleIleArgIleArgIleGlnValAspArgArgLysGluAsnLysSerA 252

Qy 953 GGTCGGC-----ACTCTGGTGGCTGATTCACTCACCATCTCTATGCTG 1000

Db 252 IleLeuAsnGluAsnLysArgValAsnValMetIleIleSerIleValIlePheGly- 271

Qy 1001 GCATCAACTCTCTGCTGAGCTTGCAGTGAAGTTGGAGACAGAATCTGCTG 1060

Db 272 -----AlaCysTrpIleProLeuAsn----- 278

Qy 1061 ACAAGGGCAGAACCTGGGACATATGGCCCTGCACTATAGTGTGAGGTGGT 1120

Db 278

Qy 1121 TGATCATGTCCTGTTAGTTCTGACTGAACTGTTACTGCTATT 1180

Db 279 -IlePheAsnValIlePheAspTrpItyrHis---GluMetLeuMetSerCysIleHisA 297

Qy 1181 CCTTGATGCGCTGAGCTCATATTGCTTATCTGATTTCATGGCTCATGCTCCRT 1240

Db 297 IlePheValIlePheAspIleLeuAlaMetValSerThrCysIleAsnProLeP 317

Qy 1241 TCTTCCAGTACTTGCTCATGCGCTACTCTCACCTCATGCTAACCTAAC 1300

Db 317 IleIleGlyIleAsn-----LyAsnIleGlnIleAsn-----AspLeuMetMetLeuIleH 334

Db 334 IleHisCysTrpCysGlyGlu---ProGlnGlusItyrGluAsn 347

RESULT 13

US-08-660-963-12

Sequence 12, Application US/08660963
 Patent No. 5852187
 GENERAL INFORMATION:
 APPLICANT: Thorner, Michael O.
 APPLICANT: GayLynn, Bruce D.
 APPLICANT: Horikawa, Reiko
 APPLICANT: Lyons Jr., Charles E.
 TITLE OF INVENTION: MOLECULAR CLONING OF THE OVINE PITUITARY
 TITLE OF INVENTION: GROWTH HORMONE RELEASING HORMONE RECEPTOR
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: POPIAM, HAIK, SCHNOBRICH & KAUFMAN, LTD.
 STREET: -Metropolitan Square Building, Suite 800, 1450
 STREET: G. Street
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DO/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/660, 963
 FILING DATE: 12-JUN-1996
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: O'Shaughnessy, Brian P.
 REGISTRATION NUMBER: 32,747
 REFERENCE/DOCKET NUMBER: 18046, 036
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-824-8000

TELEFAX: 202-824-8199
 TELEX: 248516
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 498 amino acids
 TYPE: amino acid
 STRANDBENESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-660-963-12

Alignment Scores:
 Pred. No.: 0.0397 Length: 498
 Score: 96.00 Matches: 113
 Percent Similarity: 27.98% Conservative: 35
 Best Local Similarity: 21.36% Mismatches: 152
 Query Match: 3.78% Indels: 229
 DB: 2 Gaps: 29

US-09-768-781-2 (1-1389) x US-08-660-963-12 (1-498)

Qy 22 TCAGAAAGAACCTCCAAATGACAGATTTGAAATT-----CCTGGAGG 69
 Db 83 SerGlyArgThrSer-----Lyb1svalTrpThrLeuLysGlyCysProThrPro 100

Qy 70 CCAAATGTGATCCGGTTCA-----TCTCTGGAG 99
 Db 101 ProTrpAlaAlaProGlySerGlyThrGlycysCysAlaGlyArgTrpGlnAlaLeuGlu 120

Qy 100 GAAGATGTCATCCGTGGAGCC-----126
 Db 121 Ser-----GlyAlaSerProAlaArgLeuSerSerLeuThrSerAlaThrSer 136

Qy 127 -----CGATTACTTTCCATTAGCATCCCTTTCTCACCTTTGTACTGTGG 177
 Db 137 GlnGlyLeuArgGlyThrAlaProLeuGlnAlaGlyArgSerArgLeuIlePr 156

Qy 178 GAGGTGCACTGCTTTGATCATGGTAGATCTATGAAAGAACTTACTGG 237
 Db 156 Oarg----ProAlaLeuCysProTrpSerCysLeuLysArgAlaProThrSerProArgG1 175

Qy 238 ATGACATAACCTTTCATTTGTTGACCTTGTGACCCCTC 294
 Db 175 ysSerThrProTrpAlaThrAlaSerArgLeuGinProSerTrpProser-----192

Qy 295 ATTTCGTCCACAGAGATCPGCCAAGATAACCGCTTATATTATTAGCATTAATC 354
 Db 193 -----Se 193

Qy 355 CTCCTGGACCTGTTATCAGATGTTGGAGCCAA-----TGTAAAGTACCTCACAATGTGG 411
 Db 193 rSerTrpSerLeuSerLysGlySerThrAlaProGlyThrThrProSerCysSe 213

Qy 412 AAGAAAG---AGGAGCAGGAGGCCCTATGTCAGGCTCACCCGAAAAGATGGCTATAA 468
 Db 213 rProProLeuSerSerArgGlnLeuCysSerArgThrProSerProSerHe-----230

Qy 469 GATGGGAGGAGGTCTGATGAACTGGAGGAA-----TGGCCACTCTCATCCGGACCTGGCT 525
 Db 231 -----ThrGlyArgThrTrpThrAlaAlaserProLeuse 243

Qy 526 ATGCACCGCAATGCCCTAACAAACGATGTCACAGATCCAAGCTTCCTGGCTCACTGCC 585
 Db 243 rCysAlaArgLeuLeuProProLeuSerArg-----ProTrpThrSerAlaGlyCysB-- 261

Qy 586 CAGCTGACCTPATCAGCTCTGTCAGGGTCCCTGGGAGAGTT 645
 Db 262 -----TrpGlnIsole 265

Qy 646 GTGCTTAATGCTTATTTCCCTGTGATCTGTCACCTATGGGCCACCCCTTGAATATGTTG 705
 Db 265 uCys-----ThrProAlaSerProPro-----272

Qy 706 GCTATCCAGATCAAGTACGATGACTACAAGATTGCGCTTGGCCACTAGAAGTCCTCTGC 765
 Db 273 -----HisCysProAlaGlnG1 278

Qy 766 ATCACCATCTGGGACATGGAGATCCTCCGCTCCTGATTTCTGTCCTCTCA 825
 Db 278 yGlySerSerGlyGly-----TrpSerLeuProGlyGly-----PhleuCysSerSer-----295

Qy 826 GCCACUTGTAATTGAAAGGCTGCCCCCTTCCTAGTGCCTCAACTCCUTGATCACCTCTTT 885
 Db 295 -----295

Qy 886 GAGCCCTGGGATTAAGTCTGGAGAAAGTGGCCAGATGC-----CC 927
 Db 296 -----ProAlaCysGlyTrpValAlaSerTrpPr 305

Qy 928 ATAA-----ACATTGAGAAAAACTTCAGCGGGTGGCACT 963
 Db 305 oleuIysMetLeuArgAlaGlyThrProProThrGlyGlySerSer-----324

Qy 964 CTGGTGCTCCCTGATTCAGTCACCCTCATCTATGCTGGCATCAACT-----TC 1011
 Db 325 -----LysBspProSerSerLeuLeuGlyThrLeuGlyThrGlyGly 339

Qy 1012 TCTTGCTGGTCACTGCTTGCAGTTGAGCTGGAGACAGAGATCTGTCGACANAAGGGAG 1071
 Db 339 TrpLeuSerValSerCysGlyAsnTrpSerGlnLeuArgAlaAlaSerThrProSerLe 359

Qy 1072 AACTGGGACATA-----1084
 Db 359 userThrGlyValSerLeuSerGlnArgPhsSerSerPheArgCysLeuGluSerThrMe 379

Qy 1085 -----TGGGCCCTGGCATAATACTGCTGAGCTTGGCTTG-----TrpGlyGlyGly 1131

Db 379 t-SerPhsSerThrSerCysLeuThrValLeuclyTrpThrSerAlaSerProAsnTPas 399

Qy 1132 TTGGTTTTAGTTCTTGGAGTGAAGTGTACTGATTACTGTCATTCTGTGATGCC 1191
 Db 399 EtTrpAlaLeuSerArg-----404

Qy 1192 TTGCAAGCTATTATTGCTTAACTGATTCCATTGGCTTCATCTCTTCTTCTCC-----1246
 Db 405 -----SerCysThrAlaSerSerLeuSerAlaSerProAsnTPas 399

Qy 1247 -----AGTACTCTTGCTCATTCATGGCTCAGTCCTCTC 1275
 Db 417 SerGlyLeuArgSerHisGlyAspGlyThrAlaThrLeuAsnHeCysGlnProG1 437

Qy 1276 ACCCATATGTAGTAGACTACCTCCATTGCTGTCACAGCAC-----CTCGGACCC 1332
 Db 437 YGlyLeuSerSerGluAspSerArgSerValLeuThrSerValCysAlaGlyG1 457

Qy 1333 ACCGCTGAGACTCAGGCCACCC 1357
 Db 457 rSerLeuArgLeuGluProThrPro 465

RESULT 14
 US-09-154-802-3
 Sequence 3, Application US/09154802
 Patent No. 5989822
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 APPLICANT: Y. Tom Tang
 APPLICANT: Corley, Neill C.
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 SOFTWARE: PERL Program
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 LENGTH: 255

Qy	1165	CTGATTACTGTGATTCCTGATTCGCTTCAGCTTATTGCTTATCTGATTCCATT	1224
Qy	219	LeuSerIleLeuUglyIleValAlaLeuGlserAlaIleAlaPheIleGlnAlaMet	238
Db	1225	GGCTTATGCTCCCTTCTCCAGTACTTG	1254
Qy	239	ValPheIleThrMetIleThrCysSerSerIle	248
Db			

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